

## EAST Search History

| Ref # | Hits    | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|---------|--|--|------------------|---------|------------------|
| S1    | 37      | SUN-JIAN   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/04/24 14:04 |
| S2    | 0       | image near (hallucination or hallucinations) near reconstruction | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/05 11:57 |
| S3    | 3       | image near hallucination   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/05 13:37 |
| S4    | 1       | image near hallucination   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>IBM_TDB             | OR               | ON      | 2007/01/05 12:14 |
| S5    | 2       | image near hallucination   | USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB                        | OR               | ON      | 2007/01/05 12:14 |
| S6    | 3151136 | face hallucination   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/05 13:37 |
| S7    | 2204149 | S6 near high frequency   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/05 13:38 |

## EAST Search History

|     |        |   |  |    |    |                  |
|-----|--------|---|--|----|----|------------------|
| S8  | 267565 | S7 near low resolution near<br>(image or images)                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/05 13:38 |
| S9  | 0      | S8 near interpolation near low adj<br>frequency adj (image or images) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/05 13:39 |
| S10 | 72     | S8 near interpolation   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/05 13:47 |
| S11 | 1902   | image near high adj resolution and<br>low adj resolution              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/05 13:48 |
| S12 | 0      | S11 and (interploation or<br>interploations)                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/05 13:49 |
| S13 | 33     | S11 and primitiv\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/05 14:01 |
| S14 | 1132   | 382/254.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/05 14:01 |
| S15 | 65     | ("5488674").URPN.   | USPAT  | OR | ON | 2007/01/05 14:54 |

## EAST Search History

|     |         |  |  |    |    |                  |
|-----|---------|--|--|----|----|------------------|
| S17 | 0       | S14 and hallucination  | USPAT  | OR | ON | 2007/01/05 14:55 |
| S18 | 0       | S14 near hallucination   | USPAT  | OR | ON | 2007/01/05 14:55 |
| S19 | 632     | 382/254.ccls.  | USPAT  | OR | ON | 2007/01/05 14:55 |
| S21 | 0       | S14 near hallucination   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/05 14:56 |
| S23 | 8125602 | primal sketch (prior or priors) near low resolution or high resolution | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/05 15:02 |
| S24 | 2295    | S23 and hallucination  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/05 15:02 |
| S30 | 485425  | training data near image reconstruction and hallucination              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/05 15:07 |
| S31 | 367070  | S30 and filter bank  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/05 15:08 |
| S32 | 37517   | S31 and transformation   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/05 15:08 |

## EAST Search History

|     |         |   |  |    |    |                  |
|-----|---------|---|--|----|----|------------------|
| S33 | 2       | S32 and extraction near low-frequency       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/05 15:09 |
| S34 | 54      | ("5485279").URPN.                           | USPAT  | OR | ON | 2007/01/05 15:18 |
| S35 | 647     | 382/299.ccls.                               | US-PGPUB;<br>USPAT   | OR | ON | 2007/01/05 15:52 |
| S36 | 0       | S35 and hallucination                       | US-PGPUB;<br>USPAT   | OR | ON | 2007/01/05 15:53 |
| S38 | 0       | 382/299.ccls. and hallucination             | US-PGPUB;<br>USPAT   | OR | ON | 2007/01/05 15:53 |
| S39 | 158     | 382/299 and contour                         | US-PGPUB;<br>USPAT   | OR | ON | 2007/01/05 15:55 |
| S40 | 0       | S39 and super-resolution                    | US-PGPUB;<br>USPAT   | OR | ON | 2007/01/05 15:54 |
| S41 | 158     | 382/299 and contour                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/05 17:15 |
| S42 | 3144442 | image reconstruction and contour smoothness | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/05 17:16 |
| S43 | 87469   | S42 and extraction                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/05 17:16 |
| S44 | 79      | S43 and "nearest neighbor interpolation"    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/05 17:20 |

## EAST Search History

|     |         |  |  |    |    |                  |
|-----|---------|--|--|----|----|------------------|
| S45 | 0       | S44 and "normalizing the low-resolution image"               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/05 17:22 |
| S46 | 36      | S44 and normaliz\$4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/05 17:25 |
| S47 | 1       | hallucinati\$4 near low adj frequency near (image or images) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/05 17:26 |
| S48 | 585600  | Markov chain near image resolution                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/05 17:27 |
| S49 | 41497   | S48 and interpolat\$4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/05 17:27 |
| S50 | 105696  | S49 and contour smoothness                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/05 17:27 |
| S51 | 2658702 | S49 and bicubical\$3 storage                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/05 17:29 |

## EAST Search History

|     |         |   |  |    |    |                  |
|-----|---------|---|--|----|----|------------------|
| S52 | 4172676 | S49 and high primitive (layer or layers)                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/05 17:30 |
| S53 | 23      | edge near directed near interpolation                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/08 09:11 |
| S55 | 8       | image near enhancement near resolution near (high or low) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/08 09:19 |
| S56 | 825     | 382/266.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/08 09:19 |
| S57 | 0       | S56 and interploated near low near resolution             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/08 09:20 |
| S58 | 576316  | S56 and low resolution                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/08 09:20 |
| S59 | 849     | S56 and low resolution near reconstruction                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/08 09:21 |

## EAST Search History

|     |       |  |  |    |     |                  |
|-----|-------|--|--|----|-----|------------------|
| S60 | 0     | S59 and primal adj sketch adj<br>(priors or prior)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/08 09:21 |
| S62 | 967   | S59 or S56 and high and low<br>resoltuion  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/08 09:22 |
| S65 | 2     | "high frequency primitive layer"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/08 09:24 |
| S66 | 38499 | (low image resolution) and<br>(bicubic interpolation) and (high<br>frequency primitive layer) and<br>(primal sketch prior) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/08 09:25 |
| S67 | 32    | S66 and hallucination  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/08 09:26 |
| S68 | 24678 | S66 and (gaussian derivative<br>filters)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/08 10:18 |
| S69 | 1     | ("6778698").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/01/08 10:22 |
| S70 | 1     | ("6608929").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/01/08 10:22 |
| S71 | 0     | (2005/0220355).CCLS.   | US-PGPUB;<br>USPAT   | OR | OFF | 2007/04/09 17:57 |
| S72 | 1     | ("20050220355").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/04/09 17:57 |

## EAST Search History

|     |        |   |  |    |    |                  |
|-----|--------|---|--|----|----|------------------|
| S73 | 5620   | fractal   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 11:13 |
| S74 | 3330   | super-resolution or<br>superresolution or super adj1<br>resolution                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 11:14 |
| S75 | 0      | low adj1 resoltuion with high adj1<br>resoltuion with (convert\$5 or<br>transform\$4 or generat\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 11:15 |
| S76 | 2302   | low adj1 resolution with high adj1<br>resolution with (convert\$5 or<br>transform\$4 or generat\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 11:15 |
| S77 | 19     | S73 and S74   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 11:15 |
| S78 | 501473 | iterat\$4 or converg\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 11:15 |
| S79 | 19     | S73 and S77   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 11:16 |



## EAST Search History

|     |        |             |  |    |    |                  |
|-----|--------|-------------|--|----|----|------------------|
| S82 | 782    | S78 and S74 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 11:17 |
| S83 | 358    | S78 and S76 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 11:17 |
| S84 | 604938 | train\$4    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 11:17 |
| S85 | 782    | S78 and S74 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 11:18 |
| S86 | 125    | S84 and S85 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 11:18 |
| S87 | 135    | S84 and S83 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 11:18 |
| S88 | 38109  | primitive   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 11:18 |

## EAST Search History

|     |      |                     |  |    |    |                  |
|-----|------|---------------------|--|----|----|------------------|
| S92 | 5    | S88 and S87         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 11:23 |
| S93 | 0    | "345"".""418".ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 11:22 |
| S94 | 1266 | 345/418.ccls.       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 11:22 |
| S95 | 4    | S94 and S76         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 11:23 |
| S96 | 2809 | 345/419.ccls.       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 11:23 |
| S97 | 5    | S96 and S76         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 11:23 |
| S98 | 374  | 348/745.ccls.       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 11:23 |

## EAST Search History

|          |      |   |  |    |     |                  |
|----------|------|---|--|----|-----|------------------|
| S10<br>1 | 0    | S98 and S76   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/23 11:24 |
| S10<br>2 | 1    | ("6766067").PN.   | US-PGPUB;<br>USPAT   | OR | OFF | 2007/04/23 13:17 |
| S10<br>3 | 1    | ("6307569").PN.   | US-PGPUB;<br>USPAT   | OR | OFF | 2007/04/23 11:24 |
| S10<br>4 | 1    | ("6434280").PN.   | US-PGPUB;<br>USPAT   | OR | OFF | 2007/04/23 11:24 |
| S10<br>5 | 1    | ("6263103").PN.   | US-PGPUB;<br>USPAT   | OR | OFF | 2007/04/23 11:24 |
| S10<br>6 | 1    | ("7151801").PN.   | US-PGPUB;<br>USPAT   | OR | OFF | 2007/04/23 11:24 |
| S11<br>0 | 1    | PASZTOR-EGON  | US-PGPUB;<br>USPAT   | OR | ON  | 2007/04/23 13:19 |
| S11<br>1 | 3    | PASZTOR-EGON-C  | US-PGPUB;<br>USPAT   | OR | ON  | 2007/04/23 13:19 |
| S11<br>2 | 7    | ("5784114"   "5940145"  <br>"5963670"   "6097854"  <br>"6141019"   "6151424").PN. OR<br>("6496184").URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/04/23 15:08 |
| S11<br>3 | 6    | ("6263103"   "6380934"  <br>"6411333"   "6434280"  <br>"6456340").PN. OR ("6766067").<br>URPN.            | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/04/23 15:09 |
| S11<br>4 | 1    | ("6434280").PN.   | US-PGPUB;<br>USPAT   | OR | OFF | 2007/04/23 16:52 |
| S11<br>5 | 34   | ("6097854").URPN.   | USPAT  | OR | ON  | 2007/04/23 17:38 |
| S11<br>6 | 3330 | super-resolution or<br>superresolution or super adj1<br>resolution  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/23 17:43 |
| S11<br>7 | 374  | 348/745.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/23 17:43 |

## EAST Search History

|          |        |  |  |    |    |                  |
|----------|--------|--|--|----|----|------------------|
| S11<br>8 | 4      | S117 and S116  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 17:43 |
| S11<br>9 | 1      | "6137498".PN.  | USPAT;<br>USOCR  | OR | ON | 2007/04/24 09:18 |
| S12<br>0 | 460    | markov adj1 chain  | USPAT;<br>USOCR  | OR | ON | 2007/04/24 09:19 |
| S12<br>1 | 1019   | markov adj1 chain  | US-PGPUB;<br>USPAT   | OR | ON | 2007/04/24 09:24 |
| S12<br>2 | 1      | primal near sketch near prior                                      | US-PGPUB;<br>USPAT   | OR | ON | 2007/04/24 09:24 |
| S12<br>3 | 15     | primal near prior  | US-PGPUB;<br>USPAT   | OR | ON | 2007/04/24 09:25 |
| S12<br>4 | 0      | S121 and S123  | US-PGPUB;<br>USPAT   | OR | ON | 2007/04/24 09:24 |
| S12<br>5 | 22     | primal near sketch   | US-PGPUB;<br>USPAT   | OR | ON | 2007/04/24 09:26 |
| S12<br>6 | 0      | S123 and S125  | US-PGPUB;<br>USPAT   | OR | ON | 2007/04/24 09:25 |
| S12<br>7 | 15     | S123 not S125  | US-PGPUB;<br>USPAT   | OR | ON | 2007/04/24 09:25 |
| S12<br>8 | 3332   | super-resolution or<br>superresolution or super adj1<br>resolution | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 09:26 |
| S12<br>9 | 501712 | iterat\$4 or converg\$4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 09:26 |
| S13<br>0 | 605137 | train\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 09:26 |

## EAST Search History

|          |         |   |  |    |     |                  |
|----------|---------|---|--|----|-----|------------------|
| S13<br>1 | 782     | S129 and S128   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/24 09:26 |
| S13<br>2 | 125     | S130 and S131   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/24 09:26 |
| S13<br>3 | 2       | S121 and S132   | US-PGPUB;<br>USPAT   | OR | ON  | 2007/04/24 11:21 |
| S13<br>4 | 1       | ("6434280").PN.   | US-PGPUB;<br>USPAT   | OR | OFF | 2007/04/24 11:22 |
| S13<br>5 | 0       | ("S75andinterpolat\$4").PN.   | US-PGPUB;<br>USPAT   | OR | OFF | 2007/04/24 14:06 |
| S13<br>6 | 0       | low adj1 resoluion with high adj1<br>resoluion with (convert\$5 or<br>transform\$4 or generat\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/24 14:06 |
| S13<br>7 | 0       | S136 and interpol\$5  | US-PGPUB;<br>USPAT   | OR | ON  | 2007/04/24 14:06 |
| S13<br>8 | 2304    | low adj1 resolution with high adj1<br>resolution with (convert\$5 or<br>transform\$4 or generat\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/24 14:06 |
| S13<br>9 | 359     | S138 and interpol\$4  | US-PGPUB;<br>USPAT   | OR | ON  | 2007/04/24 14:07 |
| S14<br>0 | 5       | S139 and 382/254.ccls.  | US-PGPUB;<br>USPAT   | OR | ON  | 2007/04/24 14:36 |
| S14<br>1 | 888     | S138 and normal\$4  | US-PGPUB;<br>USPAT   | OR | ON  | 2007/04/24 14:36 |
| S14<br>2 | 167     | S141 and "382".clas.  | US-PGPUB;<br>USPAT   | OR | ON  | 2007/04/24 14:37 |
| S14<br>3 | 9       | S142 and markov   | US-PGPUB;<br>USPAT   | OR | ON  | 2007/04/24 14:42 |
| S14<br>4 | 2221803 | S138 and backprojection or back<br>adj1 projection or back projection                               | US-PGPUB;<br>USPAT   | OR | ON  | 2007/04/24 14:42 |

## EAST Search History

|          |       |   |  |    |    |                  |
|----------|-------|---|--|----|----|------------------|
| S14<br>5 | 22155 | S144 and "382".clas.  | US-PGPUB;<br>USPAT   | OR | ON | 2007/04/24 14:43 |
| S14<br>6 | 577   | S145 and markov   | US-PGPUB;<br>USPAT   | OR | ON | 2007/04/24 14:43 |
| S14<br>7 | 222   | S146 and interpolation  | US-PGPUB;<br>USPAT   | OR | ON | 2007/04/24 14:43 |
| S14<br>8 | 9     | S147 and primitive  | US-PGPUB;<br>USPAT   | OR | ON | 2007/04/24 14:50 |
| S14<br>9 | 28    | S138 and bicubic  | US-PGPUB;<br>USPAT   | OR | ON | 2007/04/24 14:50 |
| S15<br>0 | 2     | ("6766067").URPN.   | USPAT  | OR | ON | 2007/04/24 14:53 |
| S15<br>1 | 5     | ("6263103"   "6380934"  <br>"6411333"   "6434280"  <br>"6456340").PN.                               | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON | 2007/04/24 15:11 |
| S15<br>2 | 0     | "Estimating Targets Using<br>Statistical Properties of<br>Observations of Known Targets"            | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON | 2007/04/24 15:12 |
| S15<br>3 | 25    | FREEMAN-WILLIAM   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON | 2007/04/24 15:12 |
| S15<br>4 | 13    | FREEMAN-WILLIAM-A   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON | 2007/04/24 15:13 |
| S15<br>5 | 32    | FREEMAN-WILLIAM-T   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON | 2007/04/24 15:13 |
| S15<br>6 | 1701  | primal  | US-PGPUB;<br>USPAT   | OR | ON | 2007/04/25 09:29 |
| S15<br>7 | 27856 | sketch\$4   | US-PGPUB;<br>USPAT   | OR | ON | 2007/04/25 09:29 |
| S15<br>8 | 49    | S157 and S156   | US-PGPUB;<br>USPAT   | OR | ON | 2007/04/25 09:31 |
| S15<br>9 | 2304  | low adj1 resolution with high adj1<br>resolution with (convert\$5 or<br>transform\$4 or generat\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/25 09:31 |
| S16<br>0 | 1643  | S159  | US-PGPUB;<br>USPAT   | OR | ON | 2007/04/25 09:32 |
| S16<br>1 | 1     | S160 and S156   | US-PGPUB;<br>USPAT   | OR | ON | 2007/04/25 09:32 |
| S16<br>2 | 35    | S160 and S157   | US-PGPUB;<br>USPAT   | OR | ON | 2007/04/25 09:34 |

## EAST Search History

|          |        |   |  |    |    |                  |
|----------|--------|---|--|----|----|------------------|
| S16<br>3 | 2304   | low adj1 resolution with high adj1<br>resolution with (convert\$5 or<br>transform\$4 or generat\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/25 09:34 |
| S16<br>4 | 501712 | iterat\$4 or converg\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/25 09:34 |
| S16<br>5 | 358    | S164 and S163   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/25 09:34 |
| S16<br>6 | 605137 | train\$4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/25 09:34 |
| S16<br>7 | 135    | S166 and S165   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/25 09:34 |
| S16<br>8 | 135    | S160 and S167   | US-PGPUB;<br>USPAT   | OR | ON | 2007/04/25 09:34 |
| S17<br>0 | 3      | BAKER-SIMON   | US-PGPUB;<br>USPAT   | OR | ON | 2007/05/22 13:53 |
| S17<br>1 | 1      | BAKER-SIMON-DOMINIC   | US-PGPUB;<br>USPAT   | OR | ON | 2007/05/22 13:55 |
| S17<br>2 | 1      | BAKER-SIMON-MICHAEL   | US-PGPUB;<br>USPAT   | OR | ON | 2007/05/22 13:56 |
| S17<br>3 | 44     | KANADE-TAKEO  | US-PGPUB;<br>USPAT   | OR | ON | 2007/05/22 14:01 |
| S17<br>4 | 0      | S173 and hallucin\$5  | US-PGPUB;<br>USPAT   | OR | ON | 2007/05/22 14:01 |
| S17<br>5 | 0      | hallucina\$6 and S173   | US-PGPUB;<br>USPAT   | OR | ON | 2007/05/22 14:01 |

## EAST Search History

|          |       |   |                    |    |    |                  |
|----------|-------|---|--------------------|----|----|------------------|
| S17<br>6 | 10558 | back near project\$5 or histrogram<br>adj1 equalization | US-PGPUB;<br>USPAT | OR | ON | 2007/05/23 17:22 |
|----------|-------|---|--------------------|----|----|------------------|